

Results of Directional Survey

API number:	30-025-39441		
OGRID:		Operator:	MARBOB ENERGY CORP
		Property:	S L DEEP FEDERAL # 3

surface	ULSTR:	C	30	T 19S	R 32E
			990	FNL	1650
				FWL	

BH Loc	ULSTR:	C	30	T 19S	R 32E
			999	FNL	1726
				FWL	

Top Perf/OH	ULSTR:	C	30	T 19S	R 32E
		8956	999	FNL	1705
				FWL	

Bot Perf/OH	ULSTR:	C	30	T 19S	R 32E
		9203	997	FNL	1709
				FWL	

	MD	N/S	E/W	VD
	8928	-9.24	54.46	8926.99
TOP PERFS/OH	8956	-9.01	55.35	8954.98
	9022	-8.46	57.46	9020.94
	9116	-7.78	7.78	9114.90
BOT PERFS/OH	9203	-7.44	59.11	9201.86
	9209	-7.42	62.65	9207.86

NEXT TO LAST	9493	-8.62	72.09	9491.70
LAST READING	9531	-8.65	73.62	9529.67
TD	9580	-8.69	75.59	9578.63

Surface Location	990	FN	1650	FW
Projected BHL	999	FN	1726	FW
Location of				
Top Perfs/OH	999	FN	1705	FW
Bottom Perfs/OH	997	FN	1709	FW

SUMMARY of Subsurface Locations

Surface Location	C-30-19S-32E	990	FN	1650	FW	Vert. Depth
Top Perfs/OH	C-30-19S-32E	999	FN	1705	FW	8954.98
Bottom Perfs/OH	C-30-19S-32E	997	FN	1709	FW	9201.86
Projected TD	C-30-19S-32E	999	FN	1726	FW	9578.63